

Ana Benito

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

174
papers

6,153
citations

42
h-index

73
g-index

191
ext. papers

6,681
ext. citations

5.6
avg, IF

5.41
L-index

#	Paper	IF	Citations
174	Effect of nanocellulose polymorphism on electrochemical analytical performance in hybrid nanocomposites with non-oxidized single-walled carbon nanotubes.. <i>Mikrochimica Acta</i> , 2022 , 189, 62	5.8	1
173	Single-walled carbon nanotube buckypaper as support for highly permeable double layer polyamide/zeolitic imidazolate framework in nanofiltration processes. <i>Journal of Membrane Science</i> , 2022 , 652, 120490	9.6	1
172	Nanoscale Charge Density and Dynamics in Graphene Oxide. 2021 , 3, 1826-1831		0
171	Hybrids of Reduced Graphene Oxide Aerogel and CNT for Electrochemical O ₂ Reduction. <i>Catalysts</i> , 2021 , 11, 1404	4	0
170	In-situ reduction by Joule heating and measurement of electrical conductivity of graphene oxide in a transmission electron microscope. <i>2D Materials</i> , 2021 , 8, 031001	5.9	4
169	Formation of one-dimensional quantum crystals of molecular deuterium inside carbon nanotubes. <i>Carbon</i> , 2021 , 175, 141-154	10.4	2
168	Waterborne Graphene- and Nanocellulose-Based Inks for Functional Conductive Films and 3D Structures. <i>Nanomaterials</i> , 2021 , 11,	5.4	3
167	Detailed thermal reduction analyses of graphene oxide via in-situ TEM/EELS studies. <i>Carbon</i> , 2021 , 178, 477-487	10.4	8
166	Graphene aerogels via hydrothermal gelation of graphene oxide colloids: Fine-tuning of its porous and chemical properties and catalytic applications. <i>Advances in Colloid and Interface Science</i> , 2021 , 292, 102420	14.3	8
165	Functionalized carbon dots on TiO ₂ for perovskite photovoltaics and stable photoanodes for water splitting. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 12180-12191	6.7	8
164	Optical properties and carrier dynamics in Co-doped ZnO nanorods. <i>Nanoscale Advances</i> , 2021 , 3, 214-223	3.1	1
163	CHAPTER 4. Carbon Nanostructures and Polysaccharides for Biomedical Materials. <i>RSC Nanoscience and Nanotechnology</i> , 2021 , 98-152		
162	Rational description and modelling of the separation of nanotubes from solid nanoparticles in centrifugation processes. <i>Carbon Trends</i> , 2021 , 5, 100084	0	
161	Carbon Nanotube Film Electrodes with Acrylic Additives: Blocking Electrochemical Charge Transfer Reactions. <i>Nanomaterials</i> , 2020 , 10,	5.4	6
160	Bottom-Up Synthesized MoS ₂ Interfacing Polymer Carbon Nanodots with Electrocatalytic Activity for Hydrogen Evolution. <i>Chemistry - A European Journal</i> , 2020 , 26, 6635-6642	4.8	10
159	The viscosity of dilute carbon nanotube (1D) and graphene oxide (2D) nanofluids. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 11474-11484	3.6	15
158	Optimizing Bacterial Cellulose Production Towards Materials for Water Remediation. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2020 , 391-403	0.2	4

157	Modification of Physicochemical Properties and Boosting Electrical Conductivity of Reduced Graphene Oxide Aerogels by Postsynthesis Treatment. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 13739-13752	3.8	4
156	Differential properties and effects of fluorescent carbon nanoparticles towards intestinal theranostics. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020 , 185, 110612	6	5
155	Ru supported on N-doped reduced graphene oxide aerogels with different N-type for alcohol selective oxidation. <i>Molecular Catalysis</i> , 2020 , 484, 110737	3.3	7
154	In-Situ Growth and Immobilization of CdS Nanoparticles onto Functionalized MoS ₂ : Preparation, Characterization and Fabrication of Photoelectrochemical Cells. <i>Chemistry - an Asian Journal</i> , 2020 , 15, 2350-2356	4.5	2
153	Cobalt-Doped ZnO Nanorods Coated with Nanoscale Metal-Organic Framework Shells for Water-Splitting Photoanodes. <i>ACS Applied Nano Materials</i> , 2020 , 3, 7781-7788	5.6	14
152	Laser-Deposited Carbon Aerogel Derived from Graphene Oxide Enables NO-Selective Parts-per-Billion Sensing. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 39541-39548	9.5	2
151	Controlling the surface chemistry of graphene oxide: Key towards efficient ZnO-GO photocatalysts. <i>Catalysis Today</i> , 2020 , 357, 350-360	5.3	31
150	Towards high-efficient microsupercapacitors based on reduced graphene oxide with optimized reduction degree. <i>Energy Storage Materials</i> , 2020 , 25, 740-749	19.4	11
149	A tool box to ascertain the nature of doping and photoresponse in single-walled carbon nanotubes. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 4063-4071	3.6	7
148	Environmental impact of the production of graphene oxide and reduced graphene oxide. <i>SN Applied Sciences</i> , 2019 , 1, 1	1.8	13
147	Integrating Water-Soluble Polythiophene with Transition-Metal Dichalcogenides for Managing Photoinduced Processes. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 5947-5956	9.5	8
146	The effect of graphene oxide reduction temperature on the kinetics of low-temperature sorption of hydrogen. <i>Low Temperature Physics</i> , 2019 , 45, 422-426	0.7	1
145	A versatile room-temperature method for the preparation of customized fluorescent non-conjugated polymer dots. <i>Polymer</i> , 2019 , 177, 97-101	3.9	12
144	Nanoscale J-aggregates of poly(3-hexylthiophene): key to electronic interface interactions with graphene oxide as revealed by KPFM. <i>Nanoscale</i> , 2019 , 11, 11202-11208	7.7	2
143	Reduced Graphene Oxide Aerogels with Controlled Continuous Microchannels for Environmental Remediation. <i>ACS Applied Nano Materials</i> , 2019 , 2, 1210-1222	5.6	22
142	Capacitive and Charge Transfer Effects of Single-Walled Carbon Nanotubes in TiO ₂ Electrodes. <i>ChemPhysChem</i> , 2019 , 20, 838-847	3.2	5
141	Chemical Postdeposition Treatments To Improve the Adhesion of Carbon Nanotube Films on Plastic Substrates. <i>ACS Omega</i> , 2019 , 4, 2804-2811	3.9	4
140	Unique Properties and Behavior of Nonmercerized Type-II Cellulose Nanocrystals as Carbon Nanotube Biocompatible Dispersants. <i>Biomacromolecules</i> , 2019 , 20, 3147-3160	6.9	18

139	Photoactivity improvement of TiO ₂ electrodes by thin hole transport layers of reduced graphene oxide. <i>Electrochimica Acta</i> , 2019 , 298, 279-287	6.7	6
138	Conjugated Polymer Nanoparticle-Graphene Oxide Charge-Transfer Complexes. <i>Advanced Functional Materials</i> , 2018 , 28, 1707548	15.6	17
137	Control of the microstructure and surface chemistry of graphene aerogels via pH and time manipulation by a hydrothermal method. <i>Nanoscale</i> , 2018 , 10, 3526-3539	7.7	42
136	Percolating Metallic Structures Templated on Laser-Deposited Carbon Nanofoams Derived from Graphene Oxide: Applications in Humidity Sensing. <i>ACS Applied Nano Materials</i> , 2018 , 1, 1828-1835	5.6	11
135	Preparation of Metallic and Semiconducting SWCNT Inks by a Simple Chromatographic Method: A Two-Parameter Study. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2018 , 229-238 ^{0.2}		
134	Carbon Nanofoam Supercapacitor Electrodes with Enhanced Performance Using a Water-Transfer Process. <i>ACS Omega</i> , 2018 , 3, 15134-15139	3.9	3
133	Charge-transfer characteristics in carbon nanostructure/metal oxide photoelectrodes efficiently probed by hydrogen peroxide. <i>Journal of Electroanalytical Chemistry</i> , 2018 , 828, 86-90	4.1	3
132	Interfacing Transition Metal Dichalcogenides with Carbon Nanodots for Managing Photoinduced Energy and Charge-Transfer Processes. <i>Journal of the American Chemical Society</i> , 2018 , 140, 13488-13496 ^{16.4}		35
131	Supramolecular-Enhanced Charge Transfer within Entangled Polyamide Chains as the Origin of the Universal Blue Fluorescence of Polymer Carbon Dots. <i>Journal of the American Chemical Society</i> , 2018 , 140, 12862-12869	16.4	166
130	Unravelling the hydration mechanism in a multi-layered graphene oxide paper by in-situ X-ray scattering. <i>Carbon</i> , 2018 , 137, 379-383	10.4	6
129	Nanostructured Carbon Materials: Synthesis and Applications. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2018 , 177-191	0.2	
128	Electronic Interactions in Illuminated Carbon Dot/MoS Ensembles and Electrocatalytic Activity towards Hydrogen Evolution. <i>Chemistry - A European Journal</i> , 2018 , 24, 10468-10474	4.8	31
127	Graphene oxide-carbon nanotube hybrid assemblies: cooperatively strengthened OH	9.4	26
126	Electron Trap States and Photopotential of Nanocrystalline Titanium Dioxide Electrodes Filled with Single-Walled Carbon Nanotubes. <i>ChemElectroChem</i> , 2017 , 4, 2300-2307	4.3	2
125	Self-Assembled Core-Shell CdTe/Poly(3-hexylthiophene) Nanoensembles as Novel Donor-Acceptor Light-Harvesting Systems. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 44695-44703	9.5	6
124	The effect of the thermal reduction on the kinetics of low-temperature 4He sorption and the structural characteristics of graphene oxide. <i>Low Temperature Physics</i> , 2017 , 43, 383-389	0.7	5
123	Intercalated water in multi-layered graphene oxide paper: an X-ray scattering study. <i>Journal of Applied Crystallography</i> , 2017 , 50, 876-884	3.8	5
122	The effect of the thermal reduction temperature on the structure and sorption capacity of reduced graphene oxide materials. <i>Applied Surface Science</i> , 2016 , 361, 213-220	6.7	57

121	Revisiting Graphene Oxide Structure via Spatially-Resolved Electron Energy Loss Spectroscopy 2016 , 482-483		
120	The effect of the temperature of graphene oxide reduction on low-temperature sorption of 4He. <i>Low Temperature Physics</i> , 2016 , 42, 57-59	0.7	3
119	Revisiting Graphene Oxide Chemistry via Spatially-Resolved Electron Energy Loss Spectroscopy. <i>Chemistry of Materials</i> , 2016 , 28, 3741-3748	9.6	47
118	A novel amperometric biosensor based on gold nanoparticles anchored on reduced graphene oxide for sensitive detection of l-lactate tumor biomarker. <i>Biosensors and Bioelectronics</i> , 2015 , 69, 280-6	11.8	86
117	Carbon nanotube-supported gold nanoparticles as efficient catalyst for the selective hydrogenation of nitroaromatic derivatives to anilines. <i>Materials Today Communications</i> , 2015 , 3, 104-113	3.5	15
116	Self-assembled graphene aerogel and nanodiamond hybrids as high performance catalysts in oxidative propane dehydrogenation. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 24379-24388	13	34
115	Electrochemical Grafting of Reduced Graphene Oxide with Polydiphenylamine Doped with Heteropolyanions and Its Optical Properties. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 25704-25717	3.8	12
114	Integration and bioactivity of hydroxyapatite grown on carbon nanotubes and graphene oxide. <i>Carbon</i> , 2014 , 79, 590-604	10.4	57
113	Graphene-based potentiometric biosensor for the immediate detection of living bacteria. <i>Biosensors and Bioelectronics</i> , 2014 , 54, 553-7	11.8	117
112	The effect of gamma-irradiation on few-layered graphene materials. <i>Applied Surface Science</i> , 2014 , 301, 264-272	6.7	79
111	A New Structural Model for Graphene Oxide and Reduced Graphene Oxide as Revealed by Core EELS and DFT. <i>Microscopy and Microanalysis</i> , 2014 , 20, 1774-1775	0.5	1
110	Reduced graphene oxide: firm support for catalytically active palladium nanoparticles and game changer in selective hydrogenation reactions. <i>Nanoscale</i> , 2013 , 5, 10189-93	7.7	26
109	Combination of two dispersants as a valuable strategy to prepare improved poly(vinyl alcohol)/carbon nanotube composites. <i>Composites Science and Technology</i> , 2013 , 80, 101-107	8.6	15
108	Improving the mechanical properties of graphene oxide based materials by covalent attachment of polymer chains. <i>Carbon</i> , 2013 , 52, 363-371	10.4	211
107	High catalytic performance of palladium nanoparticles supported on multiwalled carbon nanotubes in alkene hydrogenation reactions. <i>New Journal of Chemistry</i> , 2013 , 37, 1968	3.6	20
106	Sorption of 4He, H ₂ , Ne, N ₂ , CH ₄ , and Kr impurities in graphene oxide at low temperatures. Quantum effects. <i>Low Temperature Physics</i> , 2013 , 39, 1090-1095	0.7	8
105	Reduced Graphene Oxide Films as Solid Transducers in Potentiometric All-Solid-State Ion-Selective Electrodes. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 22570-22578	3.8	85
104	Covalent functionalization of MWCNTs with poly(p-phenylene sulphide) oligomers: a route to the efficient integration through a chemical approach. <i>Journal of Materials Chemistry</i> , 2012 , 22, 21285		53

103	The effect of ultra-thin graphite on the morphology and physical properties of thermoplastic polyurethane elastomer composites. <i>Composites Science and Technology</i> , 2012 , 72, 1595-1601	8.6	48
102	Flexible conductive graphene paper obtained by direct and gentle annealing of graphene oxide paper. <i>Carbon</i> , 2012 , 50, 835-844	10.4	182
101	Simultaneous Reduction of Graphene Oxide and Polyaniline: Doping-Assisted Formation of a Solid-State Charge-Transfer Complex. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 10468-10474	3.8	97
100	One-step microwave synthesis of palladium-carbon nanotube hybrids with improved catalytic performance. <i>Carbon</i> , 2011 , 49, 652-658	10.4	49
99	Platelet-like catalyst design for high yield production of multi-walled carbon nanotubes by catalytic chemical vapor deposition. <i>Carbon</i> , 2011 , 49, 2483-2491	10.4	20
98	Processing dependency of percolation threshold of MWCNTs in a thermoplastic elastomeric block copolymer. <i>Polymer</i> , 2011 , 52, 1788-1796	3.9	25
97	Graphene: 2D-Building Block for Functional Nanocomposites. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2011 , 143-148	0.2	2
96	Charge transport properties of water dispersible multiwall carbon nanotube-polyaniline composites. <i>Journal of Applied Physics</i> , 2010 , 107, 103719	2.5	27
95	Carbon nanotube effect on polyaniline morphology in water dispersible composites. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 1579-85	3.4	62
94	Processing route to disentangle multi-walled carbon nanotube towards ceramic composite. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 6164-70	1.3	3
93	Block copolymer assisted dispersion of single walled carbon nanotubes and integration into a trifunctional epoxy. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 6104-12	1.3	11
92	Crystalline transformations in nylon-6/single-walled carbon nanotube nanocomposites. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 6120-6	1.3	13
91	Nanofibrillar polyaniline: direct route to carbon nanotube water dispersions of high concentration. <i>Macromolecular Rapid Communications</i> , 2009 , 30, 418-22	4.8	33
90	Effects of partial and total methane flows on the yield and structural characteristics of MWCNTs produced by CVD. <i>Carbon</i> , 2009 , 47, 998-1004	10.4	22
89	Optimizing catalyst nanoparticle distribution to produce densely-packed carbon nanotube growth. <i>Carbon</i> , 2009 , 47, 1989-2001	10.4	27
88	Non-specific adsorption of streptavidin on single walled carbon nanotubes. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 6149-56	1.3	4
87	Nanofibrillar-polyaniline/Carbon nanotube composites: aqueous dispersions and films. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 6157-63	1.3	5
86	Carbon Nanotube Composite Materials: Opportunities and Processing Issues. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2009 , 181-198	0.2	2

85	Carbon Nanotube Mediated Reduction in Optical Activity in Polyaniline Composite Materials. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 1441-1445	3.8	15
84	Carbon nanotube networks as gas sensors for NO ₂ detection. <i>Talanta</i> , 2008 , 77, 758-764	6.2	100
83	Novel gas sensors based on carbon nanotube networks. <i>Journal of Physics: Conference Series</i> , 2008 , 127, 012012	0.3	2
82	The influence of single-walled carbon nanotube functionalization on the electronic properties of their polyaniline composites. <i>Carbon</i> , 2008 , 46, 1909-1917	10.4	58
81	Carbon Nanotubes: From Fundamental Nanoscale Objects Towards Functional Nanocomposites and Applications. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2008 , 101-119	0.2	6
80	Important parameters for the catalytic nanoparticles formation towards the growth of carbon nanotube aligned arrays. <i>Diamond and Related Materials</i> , 2007 , 16, 1082-1086	3.5	13
79	Novel selective sensors based on carbon nanotube films for hydrogen detection. <i>Sensors and Actuators B: Chemical</i> , 2007 , 122, 75-80	8.5	84
78	FTIR and thermogravimetric analysis of biotin-functionalized single-walled carbon nanotubes. <i>Journal of Nanoscience and Nanotechnology</i> , 2007 , 7, 3473-6	1.3	15
77	Multi-Walled Carbon Nanotube Networks As Gas Sensors for NO ₂ Detection 2007 ,		1
76	Preparation of palladium loaded carbon nanotubes and activated carbons for hydrogen sorption. <i>Journal of Alloys and Compounds</i> , 2007 , 436, 294-297	5.7	25
75	CVD production of double-wall and triple-wall carbon nanotubes. <i>Diamond and Related Materials</i> , 2007 , 16, 1087-1090	3.5	9
74	NO ₂ detection with Single Walled Carbon Nanotube Networks 2007 ,		2
73	Single-walled carbon nanotube-supported platinum nanoparticles as fuel cell electrocatalysts. <i>Journal of Materials Research</i> , 2006 , 21, 2841-2846	2.5	18
72	Towards helical and Y-shaped carbon nanotubes: the role of sulfur in CVD processes. <i>Nanotechnology</i> , 2006 , 17, 4292-4299	3.4	27
71	Synthesis and Properties of Optically Active Polyaniline Carbon Nanotube Composites. <i>Macromolecules</i> , 2006 , 39, 7324-7332	5.5	57
70	Aligned carbon nanotubes grown on alumina and quartz substrates by a simple thermal CVD process. <i>Diamond and Related Materials</i> , 2006 , 15, 1059-1063	3.5	32
69	Hydrogen capacity of palladium-loaded carbon materials. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 6643-8	3.8	129
68	Carbon nanotube growth on cobalt-sprayed substrates by thermal CVD. <i>Materials Science and Engineering C</i> , 2006 , 26, 1185-1188	8.3	40

67	Polyazomethine/carbon nanotube composites. <i>Materials Science and Engineering C</i> , 2006 , 26, 1198-1201	8.3	15
66	Mechanical Characterization of Carbon Nanotube Composite Materials. <i>Mechanics of Advanced Materials and Structures</i> , 2005 , 12, 13-19	1.8	40
65	Optically active polymer carbon nanotube composite. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 22725-22734	9.4	43
64	Hydrogen sensors based on carbon nanotubes thin films. <i>Synthetic Metals</i> , 2005 , 148, 15-19	3.6	166
63	A soluble and highly functional polyaniline/carbon nanotube composite. <i>Nanotechnology</i> , 2005 , 16, S150-S154	5.154	85
62	Ni ₂ /Mo catalyst for the large-scale CVD production of multi-wall carbon nanotubes. <i>Carbon</i> , 2005 , 43, 3034-3037	10.4	14
61	Soluble Self-Aligned Carbon Nanotube/Polyaniline Composites. <i>Advanced Materials</i> , 2005 , 17, 278-281	24	161
60	Influence of molybdenum on the chemical vapour deposition production of carbon nanotubes. <i>Nanotechnology</i> , 2005 , 16, S224-S229	3.4	35
59	Sprayed Carbon Nanotube Thin Films as Hydrogen Sensors. <i>Materials Research Society Symposia Proceedings</i> , 2005 , 900, 1		
58	Hydrogen adsorption on a single-walled carbon nanotube material: a comparative study of three different adsorption techniques. <i>Nanotechnology</i> , 2004 , 15, 1503-1508	3.4	45
57	Enhanced hydrogen adsorption on single-wall carbon nanotubes by sample reduction. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2004 , 108, 120-123	3.1	25
56	Hydrogen adsorption studies on single wall carbon nanotubes. <i>Carbon</i> , 2004 , 42, 1243-1248	10.4	140
55	Porosity, Surface Area, Surface Energy, and Hydrogen Adsorption in Nanostructured Carbons. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 15820-15826	3.4	107
54	Carbon nanotube Y junctions: growth and properties. <i>Diamond and Related Materials</i> , 2004 , 13, 241-249	3.5	60
53	Single-Walled Carbon Nanotubes as Electrodes in Supercapacitors. <i>Journal of the Electrochemical Society</i> , 2004 , 151, A831	3.9	110
52	Modifications of single-wall carbon nanotubes upon oxidative purification treatments. <i>Nanotechnology</i> , 2003 , 14, 691-695	3.4	95
51	Evolution of multiwalled carbon-nanotube/SiO ₂ composites via laser treatment. <i>Nanotechnology</i> , 2003 , 14, 184-187	3.4	22
50	Sensitivity of single wall carbon nanotubes to oxidative processing: structural modification, intercalation and functionalisation. <i>Carbon</i> , 2003 , 41, 2247-2256	10.4	305

49	Synthesis and characterization of new polyaniline/nanotube composites. <i>Materials Science and Engineering C</i> , 2003 , 23, 87-91	8.3	94
48	STM observation of asymmetrical Y-branched carbon nanotubes and nano-knees produced by the arc discharge method. <i>Materials Science and Engineering C</i> , 2003 , 23, 561-564	8.3	13
47	Incorporation of Multi Wall Carbon Nanotubes into Glass-Surfaces via Laser-Treatment. <i>Materials Research Society Symposia Proceedings</i> , 2003 , 772, 281		1
46	Production of carbon nanotubes: the light approach. <i>Carbon</i> , 2002 , 40, 1685-1695	10.4	48
45	Arc-grown Y-branched carbon nanotubes observed by scanning tunneling microscopy (STM). <i>Chemical Physics Letters</i> , 2002 , 365, 338-342	2.5	25
44	Performing current versus voltage measurements of single-walled carbon nanotubes using scanning force microscopy. <i>Applied Physics Letters</i> , 2002 , 80, 1462-1464	3.4	42
43	Microwave single walled carbon nanotubes purification. <i>Chemical Communications</i> , 2002 , 1000-1	5.8	58
42	Calculation of the charge spreading along a carbon nanotube seen in scanning tunnelling microscopy (STM). <i>Diamond and Related Materials</i> , 2002 , 11, 961-963	3.5	3
41	Study of parameters important for the growth of single wall carbon nanotubes. <i>Optical Materials</i> , 2001 , 17, 331-334	3.3	9
40	Electrical characterization of single-walled carbon nanotubes with Scanning Force Microscopy. <i>Materials Science and Engineering C</i> , 2001 , 15, 149-151	8.3	14
39	Hyperfine and Magnetic Characterization of Fe Particles Hosted in Carbon Nanocapsules. <i>Hyperfine Interactions</i> , 2001 , 134, 103-108	0.8	1
38	Mössbauer and magnetic characterisation of carbon-coated small iron particles. <i>Journal of Magnetism and Magnetic Materials</i> , 2001 , 226-230, 1930-1932	2.8	18
37	Diameter dependence of Raman intensities for single-wall carbon nanotubes. <i>Physical Review B</i> , 2001 , 63,	3.3	32
36	Synthesis of a new polyaniline/nanotube composite: In-situ polymerisation and charge transfer through site-selective interaction. <i>Chemical Communications</i> , 2001 , 1450-1451	5.8	411
35	Production of carbon nanotubes by CO ₂ -laser evaporation of various carbonaceous feedstock materials. <i>Nanotechnology</i> , 2001 , 12, 147-151	3.4	16
34	Visualization of single-walled carbon nanotubes electrical networks by scanning force microscopy. <i>Applied Physics Letters</i> , 2001 , 79, 2979-2981	3.4	19
33	The influence of the target composition in the structural characteristics of single-walled carbon nanotubes produced by laser ablation. <i>Synthetic Metals</i> , 2001 , 121, 1193-1194	3.6	8
32	Mechanical and Electrical Properties of Nanosized Contacts on Single-Walled Carbon Nanotubes. <i>Advanced Materials</i> , 2000 , 12, 573-576	24	34

31	Gas and pressure effects on the production of single-walled carbon nanotubes by laser ablation. <i>Carbon</i> , 2000 , 38, 1445-1451	10.4	50
30	Single-walled carbon nanotubes produced by cw CO ₂ -laser ablation: study of parameters important for their formation. <i>Applied Physics A: Materials Science and Processing</i> , 2000 , 70, 145-151	2.6	32
29	Single-walled carbon nanotubes formation with a continuous CO ₂ -laser: experiments and theory. <i>Applied Physics A: Materials Science and Processing</i> , 2000 , 70, 161-168	2.6	18
28	Diameter distribution of single wall carbon nanotubes in nanobundles. <i>European Physical Journal B</i> , 2000 , 18, 201-205	1.2	97
27	Mechanical and Electrical Properties of Nanosized Contacts on Single-Walled Carbon Nanotubes 2000 , 12, 573		1
26	Structure and vibrational properties of single wall carbon nanotubes. <i>Synthetic Metals</i> , 1999 , 103, 2537-2539	3.9	1
25	Raman characterization of singlewalled carbon nanotubes and PMMA-nanotubes composites. <i>Synthetic Metals</i> , 1999 , 103, 2510-2512	3.6	63
24	Single-walled carbon nanotubes produced by laser ablation under different inert atmospheres. <i>Synthetic Metals</i> , 1999 , 103, 2490-2491	3.6	9
23	Upgrading of a Petroleum Residue. Kinetics of Conradson Carbon Residue Conversion. <i>Industrial & Engineering Chemistry Research</i> , 1999 , 38, 938-943	3.9	15
22	Structures of soot generated by laser induced pyrolysis of metal-graphite composite targets. <i>Carbon</i> , 1998 , 36, 525-528	10.4	11
21	Carbon nanotubes production by catalytic pyrolysis of benzene. <i>Carbon</i> , 1998 , 36, 681-683	10.4	86
20	Production of high-density single-walled nanotube material by a simple laser-ablation method. <i>Chemical Physics Letters</i> , 1998 , 292, 587-593	2.5	201
19	Kinetics of Conradson Carbon Residue Conversion in the Catalytic Hydroprocessing of a Maya Residue. <i>Industrial & Engineering Chemistry Research</i> , 1998 , 37, 11-17	3.9	32
18	Kinetics of Sulfur Removal from a Liquid Coal Residue in Thermal, Hydrothermal, and Hydrocatalytic Cracking. <i>Energy & Fuels</i> , 1998 , 12, 365-370	4.1	8
17	Raman Investigation of Singlewalled Carbon Nanotubes. <i>Molecular Crystals and Liquid Crystals</i> , 1998 , 322, 71-78		2
16	Kinetics of asphaltene hydroconversion. <i>Fuel</i> , 1997 , 76, 899-905	7.1	15
15	The structure of fullerene compounds. <i>Journal of Molecular Structure</i> , 1997 , 436-437, 1-9	3.4	9
14	Thermal cracking of coal residues: Kinetics of asphaltene decomposition. <i>Fuel</i> , 1997 , 76, 871-877	7.1	74

13	Kinetics of asphaltene hydroconversion: 2. Catalytic hydrocracking of a coal residue. <i>Fuel</i> , 1997 , 76, 907-911	9.11	23
12	Catalytic Hydrocracking of an Asphaltenic Coal Residue. <i>Energy & Fuels</i> , 1996 , 10, 1235-1240	4.1	11
11	Upgrading of an Asphaltenic Coal Residue: Thermal Hydroprocessing. <i>Energy & Fuels</i> , 1996 , 10, 401-408	4.08	14
10	Pyrolytically grown BxCyNz nanomaterials: nanofibres and nanotubes. <i>Chemical Physics Letters</i> , 1996 , 257, 576-582	2.5	200
9	Synthesis and characterisation of the methanofullerenes, C ₆₀ (CHCN) and C ₆₀ (CBr ₂). <i>Tetrahedron Letters</i> , 1996 , 37, 1085-1086	2	23
8	Hydroprocessing of an asphaltenic coal residue. <i>Coal Science and Technology</i> , 1995 , 1467-1470		
7	Application of petroleum processing technology to the upgrading of coal syncrude. <i>Fuel</i> , 1995 , 74, 32-36	7.1	8
6	Visbreaking of an asphaltenic coal residue. <i>Fuel</i> , 1995 , 74, 922-927	7.1	18
5	DEASPHALTING AND CHARACTERIZATION OF A SYNCRUDE OBTAINED BY DIRECT LIQUEFACTION OF A SPANISH SUBBITUMINOUS COAL. <i>Petroleum Science and Technology</i> , 1994 , 12, 1509-1538		1
4	Transport fuels from two-stage coal liquefaction. <i>International Journal of Energy Research</i> , 1994 , 18, 257-265	4.55	5
3	INVESTIGATION OF THE EXISTENCE OF COAL MATRIX EFFECTS ON THE HYDROLIQUEFACTION OF VITRINITES DERIVED FROM LOW RANK SPANISH COALS. <i>Petroleum Science and Technology</i> , 1994 , 12, 1-20	1.4	
2	Two-stage liquefaction of a Spanish subbituminous coal. <i>Fuel Processing Technology</i> , 1993 , 33, 159-173	7.2	17
1	Synthesis and processing of nanomaterials mediated by living beings. <i>Angewandte Chemie</i> ,	3.6	